

**Aero Design Ltd.****Work Order Control Sheet****Work Order#:** 2017-103 **Date Opened:** 16 June 2017 **Title:** Fabrication**Aircraft OEM:** Airbus Helicopters **Aircraft Model:** AS350/AS355 **Product Type:** Beams **Product Model:** Aft LH **Quantity:** 36**Work Order Contents**

Work Order/Build Sheets (Procedures Provided)  
Additional Work Sheets (Standard Practice)  
Drawings (See List Below)  
Parts Distribution Sheet  
Sub Component Tags  
Completed Certification (Original)  
Time Sheet (R&D)  
Notes

Initial or N/A

JC
N/A
JC
JC
N/A
JC
N/A
N/A

**Build Sheet Contents**

Tasks Initialled  
Dual Inspections Initialled

JC
JC

**Drawing List**

Drawing #	Rev #	Description	Initial or N/A
78633	1	Aft Beam	JC

**Traveller****Component Completion**

Quantity Complete on This Work Order  
Quantity Incomplete on This Work Order  
Further Processing Required Before Release  
Release to Stock as Components

As Instructed

35
0
N/A
N/A

**Certification**

Form One Completed  
Serviceable (Green) Tag Completed  
In Process (Yellow) Tag Completed  
Unserviceable (Red) Tag Completed  
Parts Tracking Tags (White) Completed  
Parts Placed in Stores for Distribution

Initial or N/A

JC
N/A
JC
N/A
N/A
JC

**Additional Documentation**

Documentation of a minor change  
Non-Conformance Report Required  
Service Difficulty Report Required

Initial or N/A

N/A
N/A
N/A

**Billing**

Local (Aero Design)  
Research and Development  
Third Party

JC
N/A
N/A

Work performed by:

Print: J. Clarke

ICC / Dual Inspection performed by:

Print: J. Rekve

Work Order closed by:

Print: J. Clarke

Approved Manufacturing Facility 73-04

Sign:

Sign:

Sign:

Form 20/D.03

SCA: AD02SCA: AD01SCA: AD02Date: 02-Aug-18Date: 02-Aug-18Date: 30-Jul-19

Rev. Original 23 Sep 2014



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: BUSHING ( $\varnothing 3/8 \times 0.065 \times 1$ ) No. of pieces: 134

Manufacturer: AERO DESIGN LTD.

Part No.: 78630-04 Serial/Batch No.: PO

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-77

Remaining Tasks to be Performed: WELD IN PLACE

Signature: [Signature]

Date: 28 APR 2017 Lic. No. / SCA A012



## **Aero Design Ltd.**

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Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

**Serviceable**

**Remarks**

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9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Upper Guide (LH) No. of pieces: 16

Manufacturer: Aero Design Ltd.

Part No.: 78633-04-00 Serial No.: 15073

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-02

Remaining Tasks to be Performed: Weld into beam

Signature: [Signature]

Date: 17/Feb/2017 Lic. No. / SCA AD-07



## **Aero Design Ltd.**

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Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

**AMF 73-04**

**Serviceable**

**Remarks**

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## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AFT LH BEAM (AS300) No. of pieces: 36

Manufacturer: AERO DESIGN LTD.

Part No.: 78633-01-02 Serial/Batch No.: PO 17050 (tube)

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-103

Remaining Tasks to be Performed: MACHINING, WELDING, MACHINING  
WELDING, INSPECTION, POWDER COAT

Signature: Jff Cel.

Date: 24 July 2017

Lic. No. / SCA AD02

In Process





## **Aero Design Ltd.**

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

**AMF 73-04**

**In Process**

**Remarks**

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## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AS350 LH AFT Beam No. of pieces: 1

Manufacturer: Aero Design

Part No.: 78633-01-02 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-103

Remaining Tasks to be Performed: clean up ✓, straighten +  
Powder / See reverse.

Signature: David May AD

Date: 17/12/06 Lic. No. / SCA 73-04  
05

In Process





## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

In Process

Remarks

Part used on display rack  
not for A/C use. Feb 8/2018  
AD-05

# MOUNTING BEAM FABRICATION – 78633

1-5  
complete

## General

These instructions apply to mounting beams 78633-01 (aft) for AS350/AS355 cargo baskets. Refer to the following drawings, at the current revision, for dimensions and details:

### 78633 – Aft Beam

Work Order: 2017-103 LH

Batch Quantity: 36

Complete

(5 max, use additional sheets for more)

(initial or SCA #)

Date Open: 16 Jan 17

#1	#2	#3	#4	#5
AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	02	02

#### 1. Beam Fabrication – 1x2 tubes

- Cut 1 x 2 x 0.065 material as indicated on drawings.
  - 78633-02 – 24.44"
- Cut 1 x 2 x 0.120 material @ 16.38" long for upper guide (10).
- Record material PO on attached material list.
- De-burr cut ends using a sanding disc on a die-grinder. De-burr inside with de-burring tool.
- Remove writing on tubes with acetone.
- Tag in-progress parts and place on in-progress shelf in machine shop for CNC machining of keyways, slots, and bushing holes.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	02	02

#### 2. CNC Machining

- Run CNC programs to machine slots and holes in 78633-02 tubes.
- Run CNC programs to machine blanks for upper guides.
- De-burr slots and holes.
- Tag in-progress parts and place on in-progress shelf in welding shop for welding.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	02	02

#### 3. Beam Fabrication – Components

Note: Some components are used for many different beams and are made in batches on separate component work orders. Check stock before making components.

- Shear caps from 0.025" sheet: 78633-06
- Cut 78633-03 guides from 1x1/8 stock.
- Cut and turn 78630-04 bushings from 3/8 x 0.065 tube.
- Cut 78633-04 upper guides from blanks machined in step 2.b.
- Cut 78633-05 stop brackets from 0.75 x 0.065 tube.
- Cut 82735-03 step tubes from 1.0 x 0.035 tube.
- Punch 82735-06 step cap from 0.050 sheet, 1.25 diameter. Flatten on steel table with a hammer.
- Record component POs / WOs on attached material list and place on in-progress shelf in welding shop.

#1	#2	#3	#4	#5
AD 73-04 05	AD 73-04 05	AD 73-04 05	AD 73-04 05	AD 73-04 05

## 4. Beam Welding

- TIG weld 78633-03 guide, 4 places, and 78633-04 upper guide into 78633-02 tubes using ER308L rod.
  - Clamp two beams back to back with 1/8" spacer in middle to pre-stress beams prior to welding.
- Record component and welding rod POs / WOs on attached material list.
- Tag in-progress parts for straightening.

AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02
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## 5. Beam Straightening

Welding on one side of the beam causes the beam to curve. Beams must be straight prior to machining slots.

- Set beam on blocks as far apart as possible on hydraulic press.
- Use a 2" block to distribute press loads.
- Gradually work up to pressure required to make beam straight, usually about 800 psi is required. The same pressure generally works for beams from the same batch.
- Check for straight with a straight edge on back of tube.
- 78633-01 aft beams may require straightening on side as well, repeat steps a-d on side, using about 600 psi.
- Tag in-progress parts and place on in-progress shelf in CNC shop for machining.

AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02
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## 6. CNC Machining

- Run CNC programs to machine keyways and slots in 78633-02 tubes with guides welded in place, after straightening.
- De-burr keyways and slots.
- Tag in-progress parts and place on in-progress shelf in welding shop for welding.

AD 73-04 05	AD 73-04 05	AD 73-04 05	AD 73-04 05	AD 73-04 05
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## 7. Beam Welding

- Peg step: TIG weld 82735-06 cap to 82735-03 tube using jig to align cap to tube.
- TIG weld 78633-04 bushings into 78633-02 tube using ER308L rod, four places per tube, both sides.
- TIG weld 78633-05 stop bracket to 78633-02 tube using ER308L rod, four places per tube, both sides. Use jig to align stop brackets for height and position.
- TIG weld 78633-06 cap to 78633-02 tube.
- TIG weld step tube assembly from a. to back of 78633-02 tube using jig for alignment. Weld around step tube as far as possible, then close out tube by flattening protruding edge of step tube with a hammer. Complete weld after flattening.
- Record component and welding rod POs / WOs on attached material list.
- Tag in-progress parts and place on in-progress shelf in welding shop for straightening.



#1	#2	#3	#4	#5
AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
10	10	10	10	10

## 8. Beam Finishing

Welding on one side of the beam causes the beam to curve. Beams must be straight prior to powder coating.

- Set beam on blocks on hydraulic press. Straightening in sections may be required depending on severity of curve.
- Use a 2" block to distribute press loads.
- Gradually work up to pressure required to make beam straight, usually about 800 psi is required. The same pressure generally works for beams from the same batch.
- Check for straight with a straight edge on back of tube.
- 78633-01 aft beams may require straightening on side as well, repeat steps a-d on side, using about 600 psi.
- Drill out bushings to F (0.257"), four places per beam, on drill press.
- Break sharp edges on stops and flatten bushing locations using sanding disc on die-grinder.
- Tag in-progress parts and place on in-progress shelf in welding shop for inspection.

## 9. Final Inspection

To be completed by a different person than the previous steps.

- Inspect beams 78633-01-XX for conformity to drawings.
- Tag in-progress parts ready for powder coating.

AD				
73-04	JK	JK	JK	JK
02				

## 10. Powder Coating

- Parts are to be powder coated in accordance with commercial practices.
- Record powder coating PO.
- Inspect powder coating on receiving.
- Tag in-progress parts ready for final assembly.

AD				
73-04	JC	JC	JC	JC
02		CMB	CMB	CMB

## 11. Final Assembly

To be completed after powder coating.

- Prepare step tube for grip tape by rubbing top surface with scotch-brite.
- Adhere 1" 3M Safety-Walk grip tape to top surface of step tube.
- Adhere P/N placard to back surface of beam.
- Ensure AN4 bolt can be inserted through bushings.
- Green tag complete beam assembly and place into stock.

AD		AD	AD	AD
73-04	JC	73-04	73-04	73-04
02		02	02	02

# MOUNTING BEAM FABRICATION – 78633

Complete 6-10

## General

These instructions apply to mounting beams 78633-01 (aft) for AS350/AS355 cargo baskets. Refer to the following drawings, at the current revision, for dimensions and details:

## 78633 – Aft Beam

Work Order: 2017-103 LH

Batch Quantity: 36

Complete  
(initial or SCA #)

Date Open: 16 JUNE 2017

#1	#2	#3	#4	#5
AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	02	02

### 1. Beam Fabrication – 1x2 tubes

- Cut 1 x 2 x 0.065 material as indicated on drawings.
  - 78633-02 – 24.44"
- Cut 1 x 2 x 0.120 material @ 16.38" long for upper guide (10).
- Record material PO on attached material list.
- De-burr cut ends using a sanding disc on a die-grinder. De-burr inside with de-burring tool.
- Remove writing on tubes with acetone.
- Tag in-progress parts and place on in-progress shelf in machine shop for CNC machining of keyways, slots, and bushing holes.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	02	02

### 2. CNC Machining

- Run CNC programs to machine slots and holes in 78633-02 tubes.
- Run CNC programs to machine blanks for upper guides.
- De-burr slots and holes.
- Tag in-progress parts and place on in-progress shelf in welding shop for welding.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	02	02

### 3. Beam Fabrication – Components

Note: Some components are used for many different beams and are made in batches on separate component work orders. Check stock before making components.

- Shear caps from 0.025" sheet: 78633-06
- Cut 78633-03 guides from 1x1/8 stock.
- Cut and turn 78630-04 bushings from 3/8 x 0.065 tube.
- Cut 78633-04 upper guides from blanks machined in step 2.b.
- Cut 78633-05 stop brackets from 0.75 x 0.065 tube.
- Cut 82735-03 step tubes from 1.0 x 0.035 tube.
- Punch 82735-06 step cap from 0.050 sheet, 1.25 diameter. Flatten on steel table with a hammer.
- Record component POs / WOs on attached material list and place on in-progress shelf in welding shop.

#1	#2	#3	#4	#5
AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
05	05	05	05	05

**4. Beam Welding**

- TIG weld 78633-03 guide, 4 places, and 78633-04 upper guide into 78633-02 tubes using ER308L rod.
  - Clamp two beams back to back with 1/8" spacer in middle to pre-stress beams prior to welding.
- Record component and welding rod POs / WOs on attached material list.
- Tag in-progress parts for straightening.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	10	10

**5. Beam Straightening**

Welding on one side of the beam causes the beam to curve. Beams must be straight prior to machining slots.

- Set beam on blocks as far apart as possible on hydraulic press.
- Use a 2" block to distribute press loads.
- Gradually work up to pressure required to make beam straight, usually about 800 psi is required. The same pressure generally works for beams from the same batch.
- Check for straight with a straight edge on back of tube.
- 78633-01 aft beams may require straightening on side as well, repeat steps a-d on side, using about 600 psi.
- Tag in-progress parts and place on in-progress shelf in CNC shop for machining.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	10	10

**6. CNC Machining**

- Run CNC programs to machine keyways and slots in 78633-02 tubes with guides welded in place, after straightening.
- De-burr keyways and slots.
- Tag in-progress parts and place on in-progress shelf in welding shop for welding.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
05	05	05	05	05

**7. Beam Welding**

- Peg step: TIG weld 82735-06 cap to 82735-03 tube using jig to align cap to tube.
- TIG weld 78633-04 bushings into 78633-02 tube using ER308L rod, four places per tube, both sides.
- TIG weld 78633-05 stop bracket to 78633-02 tube using ER308L rod, four places per tube, both sides. Use jig to align stop brackets for height and position.
- TIG weld 78633-06 cap to 78633-02 tube.
- TIG weld step tube assembly from a. to back of 78633-02 tube using jig for alignment. Weld around step tube as far as possible, then close out tube by flattening protruding edge of step tube with a hammer. Complete weld after flattening.
- Record component and welding rod POs / WOs on attached material list.
- Tag in-progress parts and place on in-progress shelf in welding shop for straightening.



Complete  
(initial or SCA #)

#1	#2	#3	#4	#5
AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
10	10	10	10	02

## 8. Beam Finishing

Welding on one side of the beam causes the beam to curve. Beams must be straight prior to powder coating.

- Set beam on blocks on hydraulic press. Straightening in sections may be required depending on severity of curve.
- Use a 2" block to distribute press loads.
- Gradually work up to pressure required to make beam straight, usually about 800 psi is required. The same pressure generally works for beams from the same batch.
- Check for straight with a straight edge on back of tube.
- 78633-01 aft beams may require straightening on side as well, repeat steps a-d on side, using about 600 psi.
- Drill out bushings to F (0.257"), four places per beam, on drill press.
- Break sharp edges on stops and flatten bushing locations using sanding disc on die-grinder.
- Tag in-progress parts and place on in-progress shelf in welding shop for inspection.

## 9. Final Inspection

To be completed by a different person than the previous steps.

- Inspect beams 78633-01-XX for conformity to drawings.
- Tag in-progress parts ready for powder coating.

DR	DR	DR	AD	DR
			73-04	
			02	

## 10. Powder Coating

- Parts are to be powder coated in accordance with commercial practices.
- Record powder coating PO.
- Inspect powder coating on receiving.
- Tag in-progress parts ready for final assembly.

gc	gc	gc	AD	AD
CMB	CMB	CMB	73-04	73-04
			02	02
			Paint	

## 11. Final Assembly

To be completed after powder coating.

- Prepare step tube for grip tape by rubbing top surface with scotch-brite.
- Adhere 1" 3M Safety-Walk grip tape to top surface of step tube.
- Adhere P/N placard to back surface of beam.
- Ensure AN4 bolt can be inserted through bushings.
- Green tag complete beam assembly and place into stock.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	10	02

# MOUNTING BEAM FABRICATION – 78633

## General

These instructions apply to mounting beams 78633-01 (aft) for AS350/AS355 cargo baskets. Refer to the following drawings, at the current revision, for dimensions and details:

### 78633 – Aft Beam

Work Order: 2017-103 LH

Batch Quantity: 36 Complete  
(5 max, use additional sheets for more) (initial or SCA #)

Date Open: 16 JUNE 2017

#1	#2	#3	#4	#5
AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	02	02

#### 1. Beam Fabrication – 1x2 tubes

- Cut 1 x 2 x 0.065 material as indicated on drawings.
  - 78633-02 – 24.44"
- Cut 1 x 2 x 0.120 material @ 16.38" long for upper guide (10).
- Record material PO on attached material list.
- De-burr cut ends using a sanding disc on a die-grinder. De-burr inside with de-burring tool.
- Remove writing on tubes with acetone.
- Tag in-progress parts and place on in-progress shelf in machine shop for CNC machining of keyways, slots, and bushing holes.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	02	02

#### 2. CNC Machining

- Run CNC programs to machine slots and holes in 78633-02 tubes.
- Run CNC programs to machine blanks for upper guides.
- De-burr slots and holes.
- Tag in-progress parts and place on in-progress shelf in welding shop for welding.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	02	02

#### 3. Beam Fabrication – Components

Note: Some components are used for many different beams and are made in batches on separate component work orders. Check stock before making components.

- Shear caps from 0.025" sheet: 78633-06
- Cut 78633-03 guides from 1x1/8 stock.
- Cut and turn 78630-04 bushings from 3/8 x 0.065 tube.
- Cut 78633-04 upper guides from blanks machined in step 2.b.
- Cut 78633-05 stop brackets from 0.75 x 0.065 tube.
- Cut 82735-03 step tubes from 1.0 x 0.035 tube.
- Punch 82735-06 step cap from 0.050 sheet, 1.25 diameter. Flatten on steel table with a hammer.
- Record component POs / WOs on attached material list and place on in-progress shelf in welding shop.

# MOUNTING BEAM FABRICATION – 78633-01

Complete  
(initial or SCA #)

#1	#2	#3	#4	#5
AD 73-04 05	AD 73-04 05	AD 73-04 05	AD 73-04 05	AD 73-04 05

## 4. Beam Welding

- TIG weld 78633-03 guide, 4 places, and 78633-04 upper guide into 78633-02 tubes using ER308L rod.
  - Clamp two beams back to back with 1/8" spacer in middle to pre-stress beams prior to welding.
- Record component and welding rod POs / WOs on attached material list.
- Tag in-progress parts for straightening.

AD 73-04 10	AD 73-04 10	AD 73-04 10	AD 73-04 10	AD 73-04 10
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## 5. Beam Straightening

Welding on one side of the beam causes the beam to curve. Beams must be straight prior to machining slots.

- Set beam on blocks as far apart as possible on hydraulic press.
- Use a 2" block to distribute press loads.
- Gradually work up to pressure required to make beam straight, usually about 800 psi is required. The same pressure generally works for beams from the same batch.
- Check for straight with a straight edge on back of tube.
- 78633-01 aft beams may require straightening on side as well, repeat steps a-d on side, using about 600 psi.
- Tag in-progress parts and place on in-progress shelf in CNC shop for machining.

AD 73-04 10	AD 73-04 10	AD 73-04 10	AD 73-04 10	AD 73-04 10
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## 6. CNC Machining

- Run CNC programs to machine keyways and slots in 78633-02 tubes with guides welded in place, after straightening.
- De-burr keyways and slots.
- Tag in-progress parts and place on in-progress shelf in welding shop for welding.

AD 73-04 05	AD 73-04 05	AD 73-04 05	AD 73-04 05	AD 73-04 05
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## 7. Beam Welding

- Peg step: TIG weld 82735-06 cap to 82735-03 tube using jig to align cap to tube.
- TIG weld 78633-04 bushings into 78633-02 tube using ER308L rod, four places per tube, both sides.
- TIG weld 78633-05 stop bracket to 78633-02 tube using ER308L rod, four places per tube, both sides. Use jig to align stop brackets for height and position.
- TIG weld 78633-06 cap to 78633-02 tube.
- TIG weld step tube assembly from a. to back of 78633-02 tube using jig for alignment. Weld around step tube as far as possible, then close out tube by flattening protruding edge of step tube with a hammer. Complete weld after flattening.
- Record component and welding rod POs / WOs on attached material list.
- Tag in-progress parts and place on in-progress shelf in welding shop for straightening.



#1	#2	#3	#4	#5
AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	02	02

**8. Beam Finishing**

Welding on one side of the beam causes the beam to curve. Beams must be straight prior to powder coating.

- Set beam on blocks on hydraulic press. Straightening in sections may be required depending on severity of curve.
- Use a 2" block to distribute press loads.
- Gradually work up to pressure required to make beam straight, usually about 800 psi is required. The same pressure generally works for beams from the same batch.
- Check for straight with a straight edge on back of tube.
- 78633-01 aft beams may require straightening on side as well, repeat steps a-d on side, using about 600 psi.
- Drill out bushings to F (0.257"), four places per beam, on drill press.
- Break sharp edges on stops and flatten bushing locations using sanding disc on die-grinder.
- Tag in-progress parts and place on in-progress shelf in welding shop for inspection.

**9. Final Inspection**

To be completed by a different person than the previous steps.

- Inspect beams 78633-01-XX for conformity to drawings.
- Tag in-progress parts ready for powder coating.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	02	02

**10. Powder Coating**

- Parts are to be powder coated in accordance with commercial practices.
- Record powder coating PO.
- Inspect powder coating on receiving.
- Tag in-progress parts ready for final assembly.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	02	02

**11. Final Assembly**

To be completed after powder coating.

- Prepare step tube for grip tape by rubbing top surface with scotch-brite.
- Adhere 1" 3M Safety-Walk grip tape to top surface of step tube.
- Adhere P/N placard to back surface of beam.
- Ensure AN4 bolt can be inserted through bushings.
- Green tag complete beam assembly and place into stock.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	02	02

# MOUNTING BEAM FABRICATION – 78633

## General

These instructions apply to mounting beams 78633-01 (aft) for AS350/AS355 cargo baskets. Refer to the following drawings, at the current revision, for dimensions and details:

## 78633 – Aft Beam

Work Order: 2017-103 LH

Batch Quantity: 36  
(5 max, use additional sheets for more)

Complete  
(initial or SCA #)

Date Open: 16 JUNE 2017

#1	#2	#3	#4	#5
AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02

### 1. Beam Fabrication – 1x2 tubes

- Cut 1 x 2 x 0.065 material as indicated on drawings.
  - 78633-02 – 24.44"
- Cut 1 x 2 x 0.120 material @ 16.38" long for upper guide (10).
- Record material PO on attached material list.
- De-burr cut ends using a sanding disc on a die-grinder. De-burr inside with de-burring tool.
- Remove writing on tubes with acetone.
- Tag in-progress parts and place on in-progress shelf in machine shop for CNC machining of keyways, slots, and bushing holes.

AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02
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### 2. CNC Machining

- Run CNC programs to machine slots and holes in 78633-02 tubes.
- Run CNC programs to machine blanks for upper guides.
- De-burr slots and holes.
- Tag in-progress parts and place on in-progress shelf in welding shop for welding.

AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02
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### 3. Beam Fabrication – Components

Note: Some components are used for many different beams and are made in batches on separate component work orders. Check stock before making components.

- Shear caps from 0.025" sheet: 78633-06
- Cut 78633-03 guides from 1x1/8 stock.
- Cut and turn 78630-04 bushings from 3/8 x 0.065 tube.
- Cut 78633-04 upper guides from blanks machined in step 2.b.
- Cut 78633-05 stop brackets from 0.75 x 0.065 tube.
- Cut 82735-03 step tubes from 1.0 x 0.035 tube.
- Punch 82735-06 step cap from 0.050 sheet, 1.25 diameter. Flatten on steel table with a hammer.
- Record component POs / WOs on attached material list and place on in-progress shelf in welding shop.

#1	#2	#3	#4	#5
AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
05	05	05	05	05

## 4. Beam Welding

- TIG weld 78633-03 guide, 4 places, and 78633-04 upper guide into 78633-02 tubes using ER308L rod.
  - Clamp two beams back to back with 1/8" spacer in middle to pre-stress beams prior to welding.
- Record component and welding rod POs / WOs on attached material list.
- Tag in-progress parts for straightening.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
10	10	10	10	10

## 5. Beam Straightening

Welding on one side of the beam causes the beam to curve. Beams must be straight prior to machining slots.

- Set beam on blocks as far apart as possible on hydraulic press.
- Use a 2" block to distribute press loads.
- Gradually work up to pressure required to make beam straight, usually about 800 psi is required. The same pressure generally works for beams from the same batch.
- Check for straight with a straight edge on back of tube.
- 78633-01 aft beams may require straightening on side as well, repeat steps a-d on side, using about 600 psi.
- Tag in-progress parts and place on in-progress shelf in CNC shop for machining.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
10	10	10	10	10

## 6. CNC Machining

- Run CNC programs to machine keyways and slots in 78633-02 tubes with guides welded in place, after straightening.
- De-burr keyways and slots.
- Tag in-progress parts and place on in-progress shelf in welding shop for welding.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
05	05	05	05	05

## 7. Beam Welding

- Peg step: TIG weld 82735-06 cap to 82735-03 tube using jig to align cap to tube.
- TIG weld 78633-04 bushings into 78633-02 tube using ER308L rod, four places per tube, both sides.
- TIG weld 78633-05 stop bracket to 78633-02 tube using ER308L rod, four places per tube, both sides. Use jig to align stop brackets for height and position.
- TIG weld 78633-06 cap to 78633-02 tube.
- TIG weld step tube assembly from a. to back of 78633-02 tube using jig for alignment. Weld around step tube as far as possible, then close out tube by flattening protruding edge of step tube with a hammer. Complete weld after flattening.
- Record component and welding rod POs / WOs on attached material list.
- Tag in-progress parts and place on in-progress shelf in welding shop for straightening.



Complete  
(initial or SCA #)

#1	#2	#3	#4	#5
AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	02	02

**8. Beam Finishing**

Welding on one side of the beam causes the beam to curve. Beams must be straight prior to powder coating.

- Set beam on blocks on hydraulic press. Straightening in sections may be required depending on severity of curve.
- Use a 2" block to distribute press loads.
- Gradually work up to pressure required to make beam straight, usually about 800 psi is required. The same pressure generally works for beams from the same batch.
- Check for straight with a straight edge on back of tube.
- 78633-01 aft beams may require straightening on side as well, repeat steps a-d on side, using about 600 psi.
- Drill out bushings to F (0.257"), four places per beam, on drill press.
- Break sharp edges on stops and flatten bushing locations using sanding disc on die-grinder.
- Tag in-progress parts and place on in-progress shelf in welding shop for inspection.

AD  
73-04  
01

AD AD AD AD

**9. Final Inspection**

To be completed by a different person than the previous steps.

- Inspect beams 78633-01-XX for conformity to drawings.
- Tag in-progress parts ready for powder coating.

(PAINTED)

AD  
73-04  
02

AD  
73-04  
02

AD  
73-04  
02

AD  
73-04  
02

AD  
73-04  
02

**10. Powder Coating**

- Parts are to be powder coated in accordance with commercial practices.
- Record powder coating PO.
- Inspect powder coating on receiving.
- Tag in-progress parts ready for final assembly.

AD  
73-04  
02

AD  
73-04  
02

AD  
73-04  
02

AD  
73-04  
02

AD  
73-04  
02

**11. Final Assembly**

To be completed after powder coating.

- Prepare step tube for grip tape by rubbing top surface with scotch-brite.
- Adhere 1" 3M Safety-Walk grip tape to top surface of step tube.
- Adhere P/N placard to back surface of beam.
- Ensure AN4 bolt can be inserted through bushings.
- Green tag complete beam assembly and place into stock.

# MOUNTING BEAM FABRICATION – 78633

## General

These instructions apply to mounting beams 78633-01 (aft) for AS350/AS355 cargo baskets. Refer to the following drawings, at the current revision, for dimensions and details:

### 78633 – Aft Beam

Work Order: 2017-103 LH

Batch Quantity: 36  
(5 max, use additional sheets for more)

Complete  
(initial or SCA #)

Date Open: 16 JUNE 2017

#1	#2	#3	#4	#5
AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	02	02

#### 1. Beam Fabrication – 1x2 tubes

- Cut 1 x 2 x 0.065 material as indicated on drawings.
  - 78633-02 – 24.44"
- Cut 1 x 2 x 0.120 material @ 16.38" long for upper guide (10).
- Record material PO on attached material list.
- De-burr cut ends using a sanding disc on a die-grinder. De-burr inside with de-burring tool.
- Remove writing on tubes with acetone.
- Tag in-progress parts and place on in-progress shelf in machine shop for CNC machining of keyways, slots, and bushing holes.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	02	02

#### 2. CNC Machining

- Run CNC programs to machine slots and holes in 78633-02 tubes.
- Run CNC programs to machine blanks for upper guides.
- De-burr slots and holes.
- Tag in-progress parts and place on in-progress shelf in welding shop for welding.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	02	02

#### 3. Beam Fabrication – Components

Note: Some components are used for many different beams and are made in batches on separate component work orders. Check stock before making components.

- Shear caps from 0.025" sheet: 78633-06
- Cut 78633-03 guides from 1x1/8 stock.
- Cut and turn 78630-04 bushings from 3/8 x 0.065 tube.
- Cut 78633-04 upper guides from blanks machined in step 2.b.
- Cut 78633-05 stop brackets from 0.75 x 0.065 tube.
- Cut 82735-03 step tubes from 1.0 x 0.035 tube.
- Punch 82735-06 step cap from 0.050 sheet, 1.25 diameter. Flatten on steel table with a hammer.
- Record component POs / WOs on attached material list and place on in-progress shelf in welding shop.

#1	#2	#3	#4	#5
AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
05	05	05	05	05

**4. Beam Welding**

- TIG weld 78633-03 guide, 4 places, and 78633-04 upper guide into 78633-02 tubes using ER308L rod.
  - Clamp two beams back to back with 1/8" spacer in middle to pre-stress beams prior to welding.
- Record component and welding rod POs / WOs on attached material list.
- Tag in-progress parts for straightening.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
10	10	10	10	10

**5. Beam Straightening**

Welding on one side of the beam causes the beam to curve. Beams must be straight prior to machining slots.

- Set beam on blocks as far apart as possible on hydraulic press.
- Use a 2" block to distribute press loads.
- Gradually work up to pressure required to make beam straight, usually about 800 psi is required. The same pressure generally works for beams from the same batch.
- Check for straight with a straight edge on back of tube.
- 78633-01 aft beams may require straightening on side as well, repeat steps a-d on side, using about 600 psi.
- Tag in-progress parts and place on in-progress shelf in CNC shop for machining.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
10	10	10	10	10

**6. CNC Machining**

- Run CNC programs to machine keyways and slots in 78633-02 tubes with guides welded in place, after straightening.
- De-burr keyways and slots.
- Tag in-progress parts and place on in-progress shelf in welding shop for welding.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
05	05	05	05	05

**7. Beam Welding**

- Peg step: TIG weld 82735-06 cap to 82735-03 tube using jig to align cap to tube.
- TIG weld 78633-04 bushings into 78633-02 tube using ER308L rod, four places per tube, both sides.
- TIG weld 78633-05 stop bracket to 78633-02 tube using ER308L rod, four places per tube, both sides. Use jig to align stop brackets for height and position.
- TIG weld 78633-06 cap to 78633-02 tube.
- TIG weld step tube assembly from a. to back of 78633-02 tube using jig for alignment. Weld around step tube as far as possible, then close out tube by flattening protruding edge of step tube with a hammer. Complete weld after flattening.
- Record component and welding rod POs / WOs on attached material list.
- Tag in-progress parts and place on in-progress shelf in welding shop for straightening.



#1	#2	#3	#4	#5
AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02

**8. Beam Finishing**

Welding on one side of the beam causes the beam to curve. Beams must be straight prior to powder coating.

- Set beam on blocks on hydraulic press. Straightening in sections may be required depending on severity of curve.
- Use a 2" block to distribute press loads.
- Gradually work up to pressure required to make beam straight, usually about 800 psi is required. The same pressure generally works for beams from the same batch.
- Check for straight with a straight edge on back of tube.
- 78633-01 aft beams may require straightening on side as well, repeat steps a-d on side, using about 600 psi.
- Drill out bushings to F (0.257"), four places per beam, on drill press.
- Break sharp edges on stops and flatten bushing locations using sanding disc on die-grinder.
- Tag in-progress parts and place on in-progress shelf in welding shop for inspection.

**9. Final Inspection**

To be completed by a different person than the previous steps.

- Inspect beams 78633-01-XX for conformity to drawings.
- Tag in-progress parts ready for powder coating.

AD 73-04 01	AD 73-04 01	AD 73-04 01	AD 73-04 01	AD 73-04 01
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**10. Powder Coating**

- Parts are to be powder coated in accordance with commercial practices.
- Record powder coating PO.
- Inspect powder coating on receiving.
- Tag in-progress parts ready for final assembly.

AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02
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**11. Final Assembly**

To be completed after powder coating.

- Prepare step tube for grip tape by rubbing top surface with scotch-brite.
- Adhere 1" 3M Safety-Walk grip tape to top surface of step tube.
- Adhere P/N placard to back surface of beam.
- Ensure AN4 bolt can be inserted through bushings.
- Green tag complete beam assembly and place into stock.

AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02
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# MOUNTING BEAM FABRICATION – 78633

Complete 26-30

## General

These instructions apply to mounting beams 78633-01 (aft) for AS350/AS355 cargo baskets. Refer to the following drawings, at the current revision, for dimensions and details:

## 78633 – Aft Beam

Work Order: 2017-103 LH

Batch Quantity: 36

Complete

(5 max, use additional sheets for more)

(initial or SCA #)

Date Open: 16 JUNE 2017

#1	#2	#3	#4	#5
AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	02	02

### 1. Beam Fabrication – 1x2 tubes

- Cut 1 x 2 x 0.065 material as indicated on drawings.
  - 78633-02 – 24.44"
- Cut 1 x 2 x 0.120 material @ 16.38" long for upper guide (10).
- Record material PO on attached material list.
- De-burr cut ends using a sanding disc on a die-grinder. De-burr inside with de-burring tool.
- Remove writing on tubes with acetone.
- Tag in-progress parts and place on in-progress shelf in machine shop for CNC machining of keyways, slots, and bushing holes.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	02	02

### 2. CNC Machining

- Run CNC programs to machine slots and holes in 78633-02 tubes.
- Run CNC programs to machine blanks for upper guides.
- De-burr slots and holes.
- Tag in-progress parts and place on in-progress shelf in welding shop for welding.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	02	02

### 3. Beam Fabrication – Components

Note: Some components are used for many different beams and are made in batches on separate component work orders. Check stock before making components.

- Shear caps from 0.025" sheet: 78633-06
- Cut 78633-03 guides from 1x1/8 stock.
- Cut and turn 78630-04 bushings from 3/8 x 0.065 tube.
- Cut 78633-04 upper guides from blanks machined in step 2.b.
- Cut 78633-05 stop brackets from 0.75 x 0.065 tube.
- Cut 82735-03 step tubes from 1.0 x 0.035 tube.
- Punch 82735-06 step cap from 0.050 sheet, 1.25 diameter. Flatten on steel table with a hammer.
- Record component POs / WOs on attached material list and place on in-progress shelf in welding shop.

#1	#2	#3	#4	#5
AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
05	05	05	05	05

**4. Beam Welding**

- TIG weld 78633-03 guide, 4 places, and 78633-04 upper guide into 78633-02 tubes using ER308L rod.
  - Clamp two beams back to back with 1/8" spacer in middle to pre-stress beams prior to welding.
- Record component and welding rod POs / WOs on attached material list.
- Tag in-progress parts for straightening.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
70	70	70	70	70

**5. Beam Straightening**

Welding on one side of the beam causes the beam to curve. Beams must be straight prior to machining slots.

- Set beam on blocks as far apart as possible on hydraulic press.
- Use a 2" block to distribute press loads.
- Gradually work up to pressure required to make beam straight, usually about 800 psi is required. The same pressure generally works for beams from the same batch.
- Check for straight with a straight edge on back of tube.
- 78633-01 aft beams may require straightening on side as well, repeat steps a-d on side, using about 600 psi.
- Tag in-progress parts and place on in-progress shelf in CNC shop for machining.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
70	70	70	70	70

**6. CNC Machining**

- Run CNC programs to machine keyways and slots in 78633-02 tubes with guides welded in place, after straightening.
- De-burr keyways and slots.
- Tag in-progress parts and place on in-progress shelf in welding shop for welding.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
05	05	05	05	05

**7. Beam Welding**

- Peg step: TIG weld 82735-06 cap to 82735-03 tube using jig to align cap to tube.
- TIG weld 78633-04 bushings into 78633-02 tube using ER308L rod, four places per tube, both sides.
- TIG weld 78633-05 stop bracket to 78633-02 tube using ER308L rod, four places per tube, both sides. Use jig to align stop brackets for height and position.
- TIG weld 78633-06 cap to 78633-02 tube.
- TIG weld step tube assembly from a. to back of 78633-02 tube using jig for alignment. Weld around step tube as far as possible, then close out tube by flattening protruding edge of step tube with a hammer. Complete weld after flattening.
- Record component and welding rod POs / WOs on attached material list.
- Tag in-progress parts and place on in-progress shelf in welding shop for straightening.



(initial or SCA #)

#1	#2	#3	#4	#5
AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02

**8. Beam Finishing**

Welding on one side of the beam causes the beam to curve. Beams must be straight prior to powder coating.

- Set beam on blocks on hydraulic press. Straightening in sections may be required depending on severity of curve.
- Use a 2" block to distribute press loads.
- Gradually work up to pressure required to make beam straight, usually about 800 psi is required. The same pressure generally works for beams from the same batch.
- Check for straight with a straight edge on back of tube.
- 78633-01 aft beams may require straightening on side as well, repeat steps a-d on side, using about 600 psi.
- Drill out bushings to F (0.257"), four places per beam, on drill press.
- Break sharp edges on stops and flatten bushing locations using sanding disc on die-grinder.
- Tag in-progress parts and place on in-progress shelf in welding shop for inspection.

**9. Final Inspection**

To be completed by a different person than the previous steps.

- Inspect beams 78633-01-XX for conformity to drawings.
- Tag in-progress parts ready for powder coating.

AD 73-04 01	AD 73-04 01	AD 73-04 01	AD 73-04 01	AD 73-04 01
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**10. Powder Coating**

- Parts are to be powder coated in accordance with commercial practices.
- Record powder coating PO.
- Inspect powder coating on receiving.
- Tag in-progress parts ready for final assembly.

AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02
-------------------	-------------------	-------------------	-------------------	-------------------

**11. Final Assembly**

To be completed after powder coating.

- Prepare step tube for grip tape by rubbing top surface with scotch-brite.
- Adhere 1" 3M Safety-Walk grip tape to top surface of step tube.
- Adhere P/N placard to back surface of beam.
- Ensure AN4 bolt can be inserted through bushings.
- Green tag complete beam assembly and place into stock.

AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02
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# MOUNTING BEAM FABRICATION – 78633

Complete 31-35

## General

These instructions apply to mounting beams 78633-01 (aft) for AS350/AS355 cargo baskets. Refer to the following drawings, at the current revision, for dimensions and details:

## 78633 – Aft Beam

Work Order: 2017-103 LH

Batch Quantity: 36 Complete  
(5 max, use additional sheets for more) (initial or SCA #)

Date Open: 16 JUNE 2017

#1	#2	#3	#4	#5
AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	02	02

### 1. Beam Fabrication – 1x2 tubes

- Cut 1 x 2 x 0.065 material as indicated on drawings.
  - 78633-02 – 24.44"
- Cut 1 x 2 x 0.120 material @ 16.38" long for upper guide (10).
- Record material PO on attached material list.
- De-burr cut ends using a sanding disc on a die-grinder. De-burr inside with de-burring tool.
- Remove writing on tubes with acetone.
- Tag in-progress parts and place on in-progress shelf in machine shop for CNC machining of keyways, slots, and bushing holes.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	02	02

### 2. CNC Machining

- Run CNC programs to machine slots and holes in 78633-02 tubes.
- Run CNC programs to machine blanks for upper guides.
- De-burr slots and holes.
- Tag in-progress parts and place on in-progress shelf in welding shop for welding.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
02	02	02	02	02

### 3. Beam Fabrication – Components

Note: Some components are used for many different beams and are made in batches on separate component work orders. Check stock before making components.

- Shear caps from 0.025" sheet: 78633-06
- Cut 78633-03 guides from 1x1/8 stock.
- Cut and turn 78630-04 bushings from 3/8 x 0.065 tube.
- Cut 78633-04 upper guides from blanks machined in step 2.b.
- Cut 78633-05 stop brackets from 0.75 x 0.065 tube.
- Cut 82735-03 step tubes from 1.0 x 0.035 tube.
- Punch 82735-06 step cap from 0.050 sheet, 1.25 diameter. Flatten on steel table with a hammer.
- Record component POs / WOs on attached material list and place on in-progress shelf in welding shop.

#1	#2	#3	#4	#5
AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
05	05	05	05	05

**4. Beam Welding**

- TIG weld 78633-03 guide, 4 places, and 78633-04 upper guide into 78633-02 tubes using ER308L rod.
  - Clamp two beams back to back with 1/8" spacer in middle to pre-stress beams prior to welding.
- Record component and welding rod POs / WOs on attached material list.
- Tag in-progress parts for straightening.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
10	1	10	10	10

**5. Beam Straightening**

Welding on one side of the beam causes the beam to curve. Beams must be straight prior to machining slots.

- Set beam on blocks as far apart as possible on hydraulic press.
- Use a 2" block to distribute press loads.
- Gradually work up to pressure required to make beam straight, usually about 800 psi is required. The same pressure generally works for beams from the same batch.
- Check for straight with a straight edge on back of tube.
- 78633-01 aft beams may require straightening on side as well, repeat steps a-d on side, using about 600 psi.
- Tag in-progress parts and place on in-progress shelf in CNC shop for machining.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
10	10	10	10	10

**6. CNC Machining**

- Run CNC programs to machine keyways and slots in 78633-02 tubes with guides welded in place, after straightening.
- De-burr keyways and slots.
- Tag in-progress parts and place on in-progress shelf in welding shop for welding.

AD	AD	AD	AD	AD
73-04	73-04	73-04	73-04	73-04
05	05	05	05	05

**7. Beam Welding**

- Peg step: TIG weld 82735-06 cap to 82735-03 tube using jig to align cap to tube.
- TIG weld 78633-04 bushings into 78633-02 tube using ER308L rod, four places per tube, both sides.
- TIG weld 78633-05 stop bracket to 78633-02 tube using ER308L rod, four places per tube, both sides. Use jig to align stop brackets for height and position.
- TIG weld 78633-06 cap to 78633-02 tube.
- TIG weld step tube assembly from a. to back of 78633-02 tube using jig for alignment. Weld around step tube as far as possible, then close out tube by flattening protruding edge of step tube with a hammer. Complete weld after flattening.
- Record component and welding rod POs / WOs on attached material list.
- Tag in-progress parts and place on in-progress shelf in welding shop for straightening.



#1	#2	#3	#4	#5
AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02

**8. Beam Finishing**

Welding on one side of the beam causes the beam to curve. Beams must be straight prior to powder coating.

- Set beam on blocks on hydraulic press. Straightening in sections may be required depending on severity of curve.
- Use a 2" block to distribute press loads.
- Gradually work up to pressure required to make beam straight, usually about 800 psi is required. The same pressure generally works for beams from the same batch.
- Check for straight with a straight edge on back of tube.
- 78633-01 aft beams may require straightening on side as well, repeat steps a-d on side, using about 600 psi.
- Drill out bushings to F (0.257"), four places per beam, on drill press.
- Break sharp edges on stops and flatten bushing locations using sanding disc on die-grinder.
- Tag in-progress parts and place on in-progress shelf in welding shop for inspection.

**9. Final Inspection**

To be completed by a different person than the previous steps.

- Inspect beams 78633-01-XX for conformity to drawings.
- Tag in-progress parts ready for powder coating.

AD 73-04 01	AD 73-04 01	AD 73-04 01	AD 73-04 01	AD 73-04 01
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**10. Powder Coating**

- Parts are to be powder coated in accordance with commercial practices.
- Record powder coating PO.
- Inspect powder coating on receiving.
- Tag in-progress parts ready for final assembly.

AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02
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**11. Final Assembly**

To be completed after powder coating.

- Prepare step tube for grip tape by rubbing top surface with scotch-brite.
- Adhere 1" 3M Safety-Walk grip tape to top surface of step tube.
- Adhere P/N placard to back surface of beam.
- Ensure AN4 bolt can be inserted through bushings.
- Green tag complete beam assembly and place into stock.

AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02	AD 73-04 02
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## MOUNTING BEAM FABRICATION – 78633

## General

These instructions apply to mounting beams 78633-01 (aft) for AS350/AS355 cargo baskets. Refer to the following drawings, at the current revision, for dimensions and details:

78633 – Aft BeamWork Order: 2017-103 LHBatch Quantity: 36  
(5 max, use additional sheets for more)Complete  
(initial or SCA #)Date Open: 16 JUNE 2017

- |  | #1 | #2 | #3 | #4 | #5    |
|--|----|----|----|----|-------|
|  |    |    |    |    | AD    |
|  |    |    |    |    | 73-04 |
|  |    |    |    |    | 02    |
| 1. Beam Fabrication – 1x2 tubes  |    |    |    |    |       |
| a. Cut 1 x 2 x 0.065 material as indicated on drawings.  |    |    |    |    |       |
| i. 78633-02 – 24.44"   |    |    |    |    |       |
| b. Cut 1 x 2 x 0.120 material @ 16.38" long for upper guide (10).  |    |    |    |    |       |
| c. Record material PO on attached material list.   |    |    |    |    |       |
| d. De-burr cut ends using a sanding disc on a die-grinder. De-burr inside with de-burring tool.  |    |    |    |    |       |
| e. Remove writing on tubes with acetone.   |    |    |    |    |       |
| f. Tag in-progress parts and place on in-progress shelf in machine shop for CNC machining of keyways, slots, and bushing holes.                          |    |    |    |    | AD    |
|  |    |    |    |    | 73-04 |
|  |    |    |    |    | 02    |
| 2. CNC Machining   |    |    |    |    |       |
| a. Run CNC programs to machine slots and holes in 78633-02 tubes.  |    |    |    |    |       |
| b. Run CNC programs to machine blanks for upper guides.  |    |    |    |    |       |
| c. De-burr slots and holes.  |    |    |    |    |       |
| d. Tag in-progress parts and place on in-progress shelf in welding shop for welding.   |    |    |    |    | AD    |
|  |    |    |    |    | 73-04 |
|  |    |    |    |    | 02    |
| 3. Beam Fabrication – Components   |    |    |    |    |       |
| Note: Some components are used for many different beams and are made in batches on separate component work orders. Check stock before making components. |    |    |    |    |       |
| a. Shear caps from 0.025" sheet: 78633-06  |    |    |    |    |       |
| b. Cut 78633-03 guides from 1x1/8 stock.   |    |    |    |    |       |
| c. Cut and turn 78630-04 bushings from 3/8 x 0.065 tube.   |    |    |    |    |       |
| d. Cut 78633-04 upper guides from blanks machined in step 2.b.   |    |    |    |    |       |
| e. Cut 78633-05 stop brackets from 0.75 x 0.065 tube.  |    |    |    |    |       |
| f. Cut 82735-03 step tubes from 1.0 x 0.035 tube.  |    |    |    |    |       |
| g. Punch 82735-06 step cap from 0.050 sheet, 1.25 diameter. Flatten on steel table with a hammer.  |    |    |    |    |       |
| h. Record component POs / WOs on attached material list and place on in-progress shelf in welding shop.  |    |    |    |    |       |

## MOUNTING BEAM FABRICATION – 78633-01

Complete  
(initial or SCA #)

#1 #2 #3 #4 #5

## 4. Beam Welding

- a. TIG weld 78633-03 guide, 4 places, and 78633-04 upper guide into 78633-02 tubes using ER308L rod. N/A N/A N/A N/A AD 73-04 05
- i. Clamp two beams back to back with 1/8" spacer in middle to pre-stress beams prior to welding.
- b. Record component and welding rod POs / WOs on attached material list.
- c. Tag in-progress parts for straightening.

## 5. Beam Straightening

Welding on one side of the beam causes the beam to curve. Beams must be straight prior to machining slots. N/A N/A N/A N/A AD 73-04 10

- a. Set beam on blocks as far apart as possible on hydraulic press.
- b. Use a 2" block to distribute press loads.
- c. Gradually work up to pressure required to make beam straight, usually about 800 psi is required. The same pressure generally works for beams from the same batch.
- d. Check for straight with a straight edge on back of tube.
- e. 78633-01 aft beams may require straightening on side as well, repeat steps a-d on side, using about 600 psi.
- f. Tag in-progress parts and place on in-progress shelf in CNC shop for machining.

## 6. CNC Machining

- a. Run CNC programs to machine keyways and slots in 78633-02 tubes with guides welded in place, after straightening. N/A N/A N/A N/A P 73-04 10
- b. De-burr keyways and slots.
- c. Tag in-progress parts and place on in-progress shelf in welding shop for welding. AD 73-04 10

## 7. Beam Welding

- a. Peg step: TIG weld 82735-06 cap to 82735-03 tube using jig to align cap to tube. N/A N/A N/A N/A AD 73-04 05
- b. TIG weld 78633-04 bushings into 78633-02 tube using ER308L rod, four places per tube, both sides.
- c. TIG weld 78633-05 stop bracket to 78633-02 tube using ER308L rod, four places per tube, both sides. Use jig to align stop brackets for height and position.
- d. TIG weld 78633-06 cap to 78633-02 tube.
- e. TIG weld step tube assembly from a. to back of 78633-02 tube using jig for alignment. Weld around step tube as far as possible, then close out tube by flattening protruding edge of step tube with a hammer. Complete weld after flattening.
- f. Record component and welding rod POs / WOs on attached material list.
- g. Tag in-progress parts and place on in-progress shelf in welding shop for straightening.



#5 used for display,  
not releasedComplete  
(initial or SCA #)

#1 #2 #3 #4 #5

## 8. Beam Finishing

N/A N/A N/A N/A gc.

Welding on one side of the beam causes the beam to curve. Beams must be straight prior to powder coating.

- Set beam on blocks on hydraulic press. Straightening in sections may be required depending on severity of curve.
- Use a 2" block to distribute press loads.
- Gradually work up to pressure required to make beam straight, usually about 800 psi is required. The same pressure generally works for beams from the same batch.
- Check for straight with a straight edge on back of tube.
- 78633-01 aft beams may require straightening on side as well, repeat steps a-d on side, using about 600 psi.
- Drill out bushings to F (0.257"), four places per beam, on drill press.
- Break sharp edges on stops and flatten bushing locations using sanding disc on die-grinder.
- Tag in-progress parts and place on in-progress shelf in welding shop for inspection.

## 9. Final Inspection

N/A N/A N/A N/A N/A gc.

To be completed by a different person than the previous steps.

- Inspect beams 78633-01-XX for conformity to drawings.
- Tag in-progress parts ready for powder coating.

## 10. Powder Coating

N/A N/A N/A N/A N/A gc.

- Parts are to be powder coated in accordance with commercial practices.
- Record powder coating PO.
- Inspect powder coating on receiving.
- Tag in-progress parts ready for final assembly.

## 11. Final Assembly

N/A N/A N/A N/A N/A gc.

To be completed after powder coating.

- Prepare step tube for grip tape by rubbing top surface with scotch-brite.
- Adhere 1" 3M Safety-Walk grip tape to top surface of step tube.
- Adhere P/N placard to back surface of beam.
- Ensure AN4 bolt can be inserted through bushings.
- Green tag complete beam assembly and place into stock.

Work Order: 2017-103Material Tracking Sheet  
Eurocopter AS350/AS355 Aft Mounting Beam

CH

1 of 2

Date Opened: 16 JUNE 2017

Ass'y Step	Qty	Detail Drawing	Part Number	Description	Material	PO/WO
	36		78633-01-02	Aft Beam Assembly	(XX = -01 RH (-02 LH))	
Step 1				Fabrication		
	1		78633-02	Tube	1x2x0.065 Tube, 304 Stainless Steel	17050
	1		78633-04	Upper Guide	1x2x0.12 Tube, 304 Stainless Steel	15073/2017-02 (8)
Step 2				Machning	None	17050 (30)
Step 3				Fabrication		
	4		78633-03	Guide	1x0.125 Bar, 304 Stainless Steel	16085
	4		78633-05	Stop Bracket	0.75x0.065 Sqr. Tube, 304 Stainless	17058
	1		78633-06	Cap	0.050" Sheet, 304 Stainless Steel	2017-104
	4		78630-04	Bushing	0.375 x 0.065 Tube, 304 Stainless Steel	17050
	1		82735-03	Tube	1.0 x 0.035 Tube, 316 Stainless Steel	17005
	1		82735-06	Cap	0.050 Sheet, 304 Stainless Steel	10037
Step 5				Welding		
	A/R			Welding Rod	ER308L	17066
Step 7				Straightening	None	
Step 8				Machning	None	
Step 9				Welding		
	A/R			Welding Rod	ER308L	17066
Step 11				Finishing	None	
Step 12				Final Inspection	None	
Step 13				Powder Coating		
		Detail				

18019 18005 17074 17088 17105  
 7/2 1 (1) (7) (5)  
 WHT BLK red  
 18037 (1) BLK 17117 (1) BLK 17047 (2)  
 OFF WHT

Work Order: 2017-103

Material Tracking Sheet  
Eurocopter AS350/AS355 Aft Mounting Beam

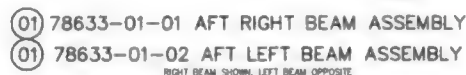
2 of 2

Date Opened: 16 Nov 2017

Ass'y Step	Qty	Drawing	Part Number	Description	Material	PO/VO
<b>Step 14</b>				<i>Final Assembly</i>		
	. 1		--	Grip Tape	1" 3M Safety Walk	<i>See POS</i>
	. 1		--	P/N Placard	TZ tape, 1/2", white on black	<i>See POS</i>

X 36

ALIGN CAP SO BOTTOM EDGE OF  
CAP IS ON BOTTOM EDGE OF TUBE  
AS INSTALLED ON THE HELICOPTER



3. FINISH: ALL STEEL PARTS TO BE THOROUGHLY DEGREASED AND POWDER COATED PRIOR TO ASSEMBLY.  
ALTERNATE: ALL STEEL PARTS TO BE THOROUGHLY DEGREASED, PRIMED AND PAINTED PRIOR TO ASSEMBLY.  
APPLY GRIP TAPE TO TOP SURFACE OF STEP AFTER FINISHING.



⑨ CAP



1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2017-0442</b>	
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2017-103</b>	
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>N/A</b>	11. Status/Work <b>New</b>	
12. Remarks						
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.				14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature 		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature		14c. Approved Organization Number
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>30 Nov 2017</b>		14d. Name		14e. Date (dd/mmm/yyyy)
<p style="text-align: center;"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

*Wilderness Helicopters*



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

In Process

### Remarks

Steps: 8. ✓

9. ✓

10. ✓

11.

P017105



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Aft. LH Beam (AS350) No. of pieces: 1

Manufacturer: Aero Design Ltd.

Part No.: 78633-01-02 Serial/Batch No.: NA

TTSN: NA TSO: NA Rem.: NA

Work Order No.: 2017-103

Remaining Tasks to be Performed: See reverse.

Signature: David Marty

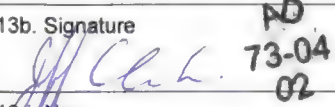
Date: Oct 27 / 2017 Lic. No. / SCA AD 73-04 05

In Process

A

Description: AS350 LH Beams[illegible]



1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2017-0433</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2017-103</b>
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>N/A</b>	11. Status/Work <b>New</b>
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.  <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12.  Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mm/yyyy) <b>24 Nov 2017</b>		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mm/yyyy)	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

Regaviation



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AFT. LH Beam (AS350) No. of pieces: 1

Manufacturer: Aero Design Ltd

Part No.: 78633-01-02 Serial/Batch No.: NA

TTSN: NA TSO: NA Rem.: NA

Work Order No.: 2017-103

Remaining Tasks to be Performed: See reverse.

Signature: [Signature]

Date: Oct 27/2017 Lic. No. / SCA 73-04  
05

In Process



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

### Remarks

In Process

Steps: 8. ✓

9. ✓

10. ✓

11.

No 17105

Description: AS350 LH Beams[illegible]



1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2017-0436</b>	
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2017-103</b>	
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>N/A</b>	11. Status/Work <b>New</b>	
12. Remarks						
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.  <input type="checkbox"/> Non approved design data specified in block 12.				14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12  Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature		14c. Approved Organization Number
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>24 Nov 2017</b>		14d. Name		14e. Date (dd/mmm/yyyy)
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

Helisu



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

In Process

### Remarks

Steps: 8. ✓

9. ✓

10. ✓

P2 17105

11.



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AFT. L/H Beam (AS350) No. of pieces: 1

Manufacturer: Aero Design Ltd.

Part No.: 78633-C1-02 Serial/Batch No.: NA

TTSN: NA TSO: NA Rem.: NA

Work Order No.: 2017-103

Remaining Tasks to be Performed: See reverse.

Signature: *David Pham*

Date: Oct 27 / 2017 Lic. No. / SCA 73-04  
06

In Process





1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2017-0439</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2017-103</b>
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>N/A</b>	11. Status/Work <b>New</b>
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.  <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12.  Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>24 Nov 2017</b>		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

*Microflight Australia*



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Aft. L/H Beam (A3350) No. of pieces: 1

Manufacturer: Aero Design Ltd.

Part No.: 78633-01-02 Serial/Batch No.: NA

TTSN: NA TSO: NA Rem.: NA

Work Order No.: 2017-103

Remaining Tasks to be Performed: See reverse.

Signature: [Signature]

Date: Oct 27/2017 Lic. No. / SCA 73-04

In Process



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

### Remarks

In Process

Steps: 8. ✓

9. ✓

10. ✓

11.

PO 17105

24 Nov. 2017



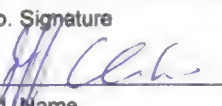
WO# 2017-103

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013



1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2017-0451</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2017-103</b>
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>2</b>	10. Serial/Batch No. <b>N/A</b>	11. Status/Work <b>New</b>
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>04 Dec 2017</b>		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

**CUSTOM HELICOPTERS**



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

In Process

Remarks

Steps: 8. ✓

9. ✓

10. ✓ 10 17105

11. ✓



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Aft. L/H Beam (AS350) No. of pieces: 1

Manufacturer: Aero Design Ltd.

Part No.: 78633-01-02 Serial/Batch No.: NA

TTSN: NA TSO: NA Rem.: NA

Work Order No.: 2017-103

Remaining Tasks to be Performed: See reverse.

Signature: [Signature]

Date: Oct 27 / 2017 Lic. No. / SCA 73-04

In Process

**A**

WO# 2017-103

[illegible]





## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

### Remarks

In Process

Step: 8. ✓

9. ✓

10. ✓

TO 17058'

11. ✓



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Aft. Beam L/H No. of pieces: 1

Manufacturer: Aero Design Ltd.

Part No.: 78633-C1-02 Serial/Batch No.: NA

TTSN: NA TSO: NA Rem.: NA

Work Order No.: 2017-103

Remaining Tasks to be Performed: See reverse.

Signature: [Signature]

Date: Sept. 12/2017 Lic. No. / SCA 73-04

In Process

04 Dec 2017



## Aero Design

### Parts Distribution Sheet

**Description:** AS350 LH Beams

WO# 2017-103

[illegible]

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE <b>FORM ONE</b>			3. Form Tracking No. <b>2017-0328, Rev. 1</b>		
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2017-103</b>		
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>N/A</b>	11. Status/Work <b>New</b>		
12. Remarks <b>Red;</b> <b>Rev. 1, 18 Sept 2017, to correct P/N JC.</b>							
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.				
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature		14c. Approved Organization Number	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mm/yyyy) <b>07 Sep 2017</b>		14d. Name		14e. Date (dd/mm/yyyy)	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>							

**BLACKCOMB HELICOPTERS**



1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2017-0383</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2017-103</b>
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>N/A</b>	11. Status/Work <b>New</b>
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.  <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12.  Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>12 Oct 2017</b>		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

**BIGHORN HELICOPTERS**

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2017-0328</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2017-103</b>
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78632-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>N/A</b>	11. Status/Work <b>New</b>
12. Remarks <b>Red</b>					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>07 Sep 2017</b>		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

**BLACKHOMB HELI**



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

In Process

Remarks

Steps: 8. ✓

9. ✓

10. ✓

11. ✓

Powder Red 17074



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AFT. LH Beam No. of pieces: 1

Manufacturer: Aero Design Ltd

Part No.: 78633-01-02 Serial/Batch No.: NA

TTSN: NA TSO: NA Rem.: NA

Work Order No.: 2017-103

Remaining Tasks to be Performed: See Back

Signature: David Daulty

Date: Aug 9/2017 Lic. No. / SCA AD 7304

In Process





Description: AS350 LH Beams

WO#

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

### Remarks

In Process

PAINTED 11 OCT 2017 JC



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AFT. Beam L/H No. of pieces: 1

Manufacturer: Aero Design Ltd.

Part No.: 78633-01-02 Serial/Batch No.: NA

TTSN: NA TSO: NA Rem.: NA

Work Order No.: 2017-104

Remaining Tasks to be Performed: Clean up, straighten,  
inspect, powder coat.

Signature: David Martz

Date: Oct 10/2017 Lic. No. / SCA AO 73-04 05

In Process

12/10/17



WO# 2017-103

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2017-0389</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2017-103</b>
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>N/A</b>	11. Status/Work <b>New</b>
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.  <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12.  Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  <b>73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>17 Oct 2017</b>		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

*Zimmer Air Services*





## Aero Design Ltd.

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Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

### Remarks

In Process

Steps: 8. ✓

9. ✓

10. ✓

11. ✓

Powder Coat 17088



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Aft. Beam L/H No. of pieces: 1

Manufacturer: Aero Design Ltd.

Part No.: 78633-C1-02 Serial/Batch No.: NA

TTSN: NA TSO: NA Rem.: NA

Work Order No.: 2017-103

Remaining Tasks to be Performed: See reverse.

Signature: [Signature]

Date: Sept. 12/2017

Lic. No. / SCA AD 73-04 05

In Process

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2017-0389</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2017-103</b>
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>N/A</b>	11. Status/Work <b>New</b>
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  <b>73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mm/yyyy) <b>17 Oct 2017</b>		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mm/yyyy)	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

*Zimmer Air Services*



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Aft. Beam L/H No. of pieces: 1

Manufacturer: Aero Design Ltd.

Part No.: 78633-01-02 Serial/Batch No.: NA

TTSN: NA TSO: NA Rem.: NA

Work Order No.: 2017-103

Remaining Tasks to be Performed: See reverse.

Signature: David Martz

Date: Sept. 12/2017 Lic. No. / SCA 73-04

In Process



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

### Remarks

In Process

Steps: 8. ✓

9. ✓

10. ✓

11. ✓

Powder Coat 17088





ZIMMER AIR  
16/10/2017

WO# 2017-103

[illegible]

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. <b>AUTHORIZED RELEASE CERTIFICATE FORM ONE</b>			3. Form Tracking No. <b>2017-0402</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2017-103</b>
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>N/A</b>	11. Status/Work <b>New</b>
12. Remarks <b>Black</b>					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the <del>Canadian Aviation Regulations</del> .		
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mm/yyyy) <b>17 Oct 2017</b>		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mm/yyyy)	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

**ARROW HELICOPTERS**



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

### Remarks

In Process

Steps: 8. ✓  
9. ✓

10.

P017088

11.



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Aft. Beam L/H No. of pieces: 1

Manufacturer: Aero Design Ltd.

Part No.: 78633-C1-02 Serial/Batch No.: NA

TTSN: NA TSO: NA Rem.: NA

Work Order No.: 2017-103

Remaining Tasks to be Performed: See reverse.

Signature: David Maitz

Date: Sept. 12/2017 Lic. No. / SCA 73-04  
05

In Process

A

**Description:** AS350 LH Beams

WO# 2017-103

[illegible]



1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2017-0408		
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2017-103		
6. Item 1.	7. Description Aft LH Beam	8. Part Number 78633-01-02	9. Qty. 1	10. Serial/Batch No. N/A	11. Status/Work New		
12. Remarks							
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.  <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12.  Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.				
13b. Signature  AD 73-04 02		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number	
13d. Name Jeff Clarke - AD02		13e. Date (dd/mmm/yyyy) 06 Nov 2017		14d. Name		14e. Date (dd/mmm/yyyy)	
<p style="text-align: center;"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>							



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

**In Process**

**Remarks**

Steps: 8. ✓

9. ✓

10. ✓

11. ✓



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Aft. Beam L/H No. of pieces: 1

Manufacturer: Aero Design Ltd.

Part No.: 78633-C1-C2 Serial/Batch No.: NA

TTSN: NA TSO: NA Rem.: NA

Work Order No.: 2017-103

Remaining Tasks to be Performed: See reverse

Signature: [Signature] **AD**  
**73-04**

Date: Sept 12/2017 Lic. No. / SCA 05

In Process

AVIA SERVICE  
06 Nov 2017

Description: AS350 LH Beams

WO# 2017-103

[illegible]

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2017-0413</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2017-103</b>
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>N/A</b>	11. Status/Work <b>New</b>
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.  <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12  Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  <b>73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>08 Nov 2017</b>		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

*TURISMO BURRACO*





## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

In Process

### Remarks

Step: 8. ✓

9. ✓

10.

11.

PO 17088



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AFT. Beam L/H No. of pieces: 1

Manufacturer: Aero Design Ltd.

Part No.: 78633-01-02 Serial/Batch No.: NA

TTSN: NA TSO: NA Rem.: NA

Work Order No.: 2017-103-02 DRN

Remaining Tasks to be Performed: See reverse.

Signature: [Signature]

Date: Sept. 12/2017 Lic. No. / SCA

In Process

NO  
73-04  
05

## Aero Design

### Parts Distribution Sheet

TURISMO BURRACO  
OF NOV 2017

Description: AS350 LH Beams

WO# 2017-103

[illegible]

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2017-0421</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2017-103</b>
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>N/A</b>	11. Status/Work <b>New</b>
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.  <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12.  Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>17 Nov 2017</b>		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

**BAILEY HELICOPTERS**



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

### Remarks

In Process

Steps: 8. ✓

9. ✓

10. ✓

11. ✓

PO 17088





## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Aft. Beam L/H No. of pieces: 1

Manufacturer: Aero Design Ltd.

Part No.: 78633-01-02 Serial/Batch No.: NA

TTSN: NA TSO: NA Rem.: NA

Work Order No.: 2017-103

Remaining Tasks to be Performed: See reverse

Signature: David Mundy

Date: Sept. 12/2017 Lic. No. / SCA 73-04

In Process

17 Nov 2017

Description: AS350 LH Beams

WO# 2017-103

[illegible]

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2017-0480</b>		
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2017-103</b>		
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>N/A</b>	11. Status/Work <b>New</b>		
12. Remarks <b>Black</b>							
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			<del>14a. <input type="checkbox"/> CAR 571.10 Maintenance Release</del> <del><input type="checkbox"/> Other regulation specified in block 12</del> <del>Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.</del>				
13b. Signature 		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature		14c. Approved Organization Number	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>19 Dec 2017</b>		14d. Name		14e. Date (dd/mmm/yyyy)	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>							

*Solo Helicopters*



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AS350 LH AFT Beam No. of pieces: 1

Manufacturer: Aero Design

Part No.: 78633-01-02 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 207-103

Remaining Tasks to be Performed: clean up, straighten + Powder ✓

Signature:  AD

Date: 17/12/06 Lic. No. / SCA 73-04  
05

In Process



## **Aero Design Ltd.**

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

**In Process**

**Remarks**

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A

Description: AS350 LH Beams

[illegible]



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

**In Process**

**Remarks**

*Powder Coat PO 17118*



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AS350 LH AFT Beam No. of pieces: 1

Manufacturer: Aero Design

Part No.: 78633-01-02 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-103

Remaining Tasks to be Performed: clean up ✓, Straighten +  
Powder ✓

Signature: David Marty AD

Date: 17/12/06 Lic. No. / SCA 73-04  
05

In Process

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. <b>AUTHORIZED RELEASE CERTIFICATE FORM ONE</b>			3. Form Tracking No. <b>2017-0494</b>	
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2017-103</b>	
6. Item <b>1.</b>	7. Description <b>LH Aft Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>N/A</b>	11. Status/Work <b>New</b>	
12. Remarks						
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.  <input type="checkbox"/> Non approved design data specified in block 12.				<del>14a. <input type="checkbox"/> CAR 571.10 Maintenance Release   <input type="checkbox"/> Other regulation specified in block 12.   Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.</del>		
13b. Signature 		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature		14c. Approved Organization Number
13d. Name <b>Jason Rekve - AD01</b>		13e. Date (dd/mmm/yyyy) <b>26 Dec 2017</b>		14d. Name		14e. Date (dd/mmm/yyyy)

#### Installer Responsibilities

This certificate does not constitute authority to install.

Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.

Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.

*Aerotech Helicopters*



WO# 2017-103

Approved Manufacturing Facility 73-04

Rev. Original 27 May 2013



1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2018-0004</b>	
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2017-103</b>	
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>N/A</b>	11. Status/Work <b>New</b>	
12. Remarks						
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.  <input type="checkbox"/> Non approved design data specified in block 12.				14a. <input type="checkbox"/> CAR 571.10 Maintenance Release  <input type="checkbox"/> Other regulation specified in block 12  Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature 		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature		14c. Approved Organization Number
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>06 Jan 2018</b>		14d. Name		14e. Date (dd/mmm/yyyy)
<p style="text-align: center;"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

VS H-4 COPTERS



## **Aero Design Ltd.**

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

### **Remarks**

**In Process**

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## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AS350 LH AFT Beam No. of pieces: 1

Manufacturer: Aero Design

Part No.: 78633-01-02 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-103

Remaining Tasks to be Performed: clean up ✓, Straighten +  
Powder / PAINTED g. ✓

Signature: David May

Date: 17/12/06 Lic. No. / SCA AD 73-04 05

In Process



VS HELICOPTERS  
06 JAN 2018

Description: AS350 LH Beams

WO# 207-103

[illegible]

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2018-0029</b>	
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2017-103</b>	
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>N/A</b>	11. Status/Work <b>New</b>	
12. Remarks						
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.  <input type="checkbox"/> Non approved design data specified in block 12.				<del>14a. <input type="checkbox"/> CAR 571.10 Maintenance Release</del> <del><input type="checkbox"/> Other regulation specified in block 12</del> <del>Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.</del>		
13b. Signature <i>Jeff Clarke</i> <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature		14c. Approved Organization Number
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>08 Feb 2018</b>		14d. Name		14e. Date (dd/mmm/yyyy)
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

*Rotor-Lift Aviation*





## **Aero Design Ltd.**

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

**AMF 73-04**

### **Remarks**

**In Process**

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## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: A5350 LH AFT Beam No. of pieces: 1

Manufacturer: Aero Design

Part No.: 78633-01-02 Serial/Batch No.: ASN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-103

Remaining Tasks to be Performed: clean up ✓, straighten +  
Powder ✓


Signature: David [Signature] AD

Date: 17/12/06 Lic. No. / SCA 73-04  
05

In Process

**Description:** AS350 LH Beams

[illegible]

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2018-0019</b>	
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2017-103</b>	
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>N/A</b>	11. Status/Work <b>New</b>	
12. Remarks <b>Black</b>						
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			<del>14a. <input type="checkbox"/> CAR 571.10 Maintenance Release</del> <del><input type="checkbox"/> Other regulation specified in block 12.</del> <del>Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.</del>			
13b. Signature 		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature		14c. Approved Organization Number
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>19 Jan 2018</b>		14d. Name		14e. Date (dd/mmm/yyyy)
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

SILVER BEAM HELICOPTER



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

In Process

### Remarks

Steps: 8. ✓

9. ✓

10. ✓

PO 17088

11.





## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Aft. Beam L/H No. of pieces: 1

Manufacturer: Aero Design Ltd.

Part No.: 78633-01-02 Serial/Batch No.: NA

TTSN: NA TSO: NA Rem.: NA

Work Order No.: 2017-103

Remaining Tasks to be Performed: See reverse:

Signature: David Dwyer

Date: Sept. 12/2017 Lic. No. / SCA 73-04  
05


In Process

**A**

**Description:** AS350 LH Beams

WO# 2017-103

[illegible]

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2018-0034</b>	
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2017-103</b>	
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>N/A</b>	11. Status/Work <b>New</b>	
12. Remarks						
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.  <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12.  Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.			
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature		14c. Approved Organization Number
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>08 Feb 2018</b>		14d. Name		14e. Date (dd/mmm/yyyy)
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

*COASTAL HELI COSTERS*



## **Aero Design Ltd.**

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

**AMF 73-04**

**In Process**

**Remarks**

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## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AS350 LH AFT Beam No. of pieces: 1

Manufacturer: Aero Design

Part No.: 78633-G1-02 Serial/Batch No.: NSU

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-103

Remaining Tasks to be Performed: clean up, straighten  
+ Powder

Signature: David Mandy AD  
73-04

Date: 17/12/06 Lic. No. / SCA 05

In Process



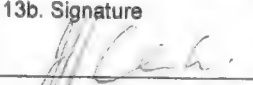


COASTAL HELICOPTERS  
OF FEB 215

**Description:** AS350 LH Beams

WO# 2017-103

[illegible]

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2018-0051</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>36022</b>
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>WO 2017-103</b>	11. Status/Work <b>New</b>
12. Remarks <b>Certification data: TCCA STC SH08-16</b>					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			<del>14a. <input type="checkbox"/> CAR 571.10 Maintenance Release  <input type="checkbox"/> Other regulation specified in block 12          Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.</del>		
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		<del>14b. Signature          14c. Approved Organization Number</del>	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mm/yyyy) <b>22 Mar 2018</b>		<del>14d. Name          14e. Date (dd/mm/yyyy)</del>	
<b>Installer Responsibilities</b> This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.					

TWIN OTTER INTERNATIONAL



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

**In Process**

### Remarks

powder Coat for 1 hour



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AS350 LH AFT Beam No. of pieces: 1

Manufacturer: Aero Design

Part No.: 78633 - 01 - 02 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017 - 103

Remaining Tasks to be Performed: Clean up, Straighten + Powder

Signature: [Signature] AD


Date: 17/12/06 Lic. No. / SCA 73-04  
05

In Process

WO# 2017-103

[illegible]



1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. <b>AUTHORIZED RELEASE CERTIFICATE FORM ONE</b>			3. Form Tracking No. <b>2018-0079</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>PO 846</b>
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>2</b>	10. Serial/Batch No. <b>WO 2017-103</b>	11. Status/Work <b>New</b>
12. Remarks <b>Certification data: TCCA STC SH08-16</b>					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			<del>14a. <input type="checkbox"/> CAR 571.10 Maintenance Release  <input type="checkbox"/> Other regulation specified in block 12          Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.</del>		
13b. Signature  <b>73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		<del>14b. Signature 14c. Approved Organization Number</del>	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>23 Apr 2018</b>		<del>14d. Name 14e. Date (dd/mmm/yyyy)</del>	
<b>Installer Responsibilities</b> This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.					

*Access Helicopter*



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

**In Process**

### Remarks

Powder Coat to 18005



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AS350 LH AFT Bear No. of pieces: 1

Manufacturer: Aero Design

Part No.: 78633-01-02 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-103

Remaining Tasks to be Performed: Clean up, Straighten + Powder

Signature: [Signature] AD

Date: 17/12/06 Lic. No. / SCA 73-04

In Process

WO# 2017-103

[illegible]



## Aero-Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

**In Process**

### Remarks

Powder PO 15019



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AS350 LH AFT Beam No. of pieces: 1

Manufacturer: Aero Design

Part No.: 78633-01-02 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-103

Remaining Tasks to be Performed: Clean up<sup>v</sup>, Straighten  
+ Powder ✓

Signature: [Signature] AD

Date: 17/12/06 Lic. No. / SCA 73-04  
05

In Process



**A**

Description: AS350 LH Beams[illegible]

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2018-0076	
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice 2018-XPM-04	
6. Item 1.	7. Description Aft LH Beam	8. Part Number 78633-01-02	9. Qty. 1	10. Serial/Batch No. WO 2017-103	11. Status/Work New	
12. Remarks Certification data: TCCA STC SH08-16						
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the <del>Canadian Aviation Regulations</del> .			
13b. Signature  AD 73-04 02		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number
13d. Name Jeff Clarke - AD02		13e. Date (dd/mmm/yyyy) 18 Apr 2018		14d. Name		14e. Date (dd/mmm/yyyy)
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

PEREGRINE HELICOPTERS



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

**In Process**

### Remarks

Powder Coat to 16005



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AS350 LH AFT Beam No. of pieces: 1

Manufacturer: Aero Design

Part No.: 78633 -01 -02 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-103

Remaining Tasks to be Performed: Clean up ✓, Straighten +  
Powder ✓

Signature: David May AD

Date: 17/12/06 Lic. No. / SCA 73-04

05


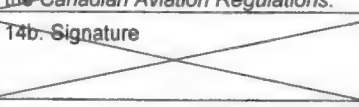

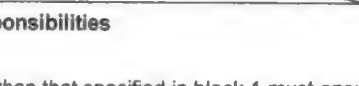
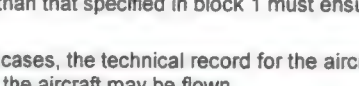
In Process

A

**Description:** AS350 LH Beams

WO# 2017-103

[illegible]

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2018-0083</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>None</b>
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>WO 2017-103</b>	11. Status/Work <b>New</b>
12. Remarks <b>Black;</b> <b>Certification data: TCCA STC SH08-16</b>					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  <b>PD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature 	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>05 May 2018</b>		14c. Approved Organization Number 	
				14d. Name 	
				14e. Date (dd/mmm/yyyy) 	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

ROTOR - LIFT AVIATION





## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

In Process

### Remarks

POWDER PO 15019



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AS350 LH AFT Beam No. of pieces: 1

Manufacturer: Aero Design

Part No.: 78633 -01-02 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-103

Remaining Tasks to be Performed: clean up ✓, Straighten +  
Powder ✓

Signature: David Marty AD

Date: 17/12/06 Lic. No. / SCA 73-04  
05

In Process




01 May 2018

Description: AS350 LH Beams

WO# 2017-103

[illegible]

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2018-0091</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>None</b>
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>WO 2017-103</b>	11. Status/Work <b>New</b>
12. Remarks <b>Certification data: TCCA STC SH08-16; FAA STC SR02680NY</b>					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>07 May 2018</b>		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

In Process

### Remarks

powder po 18019



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AS350 LH AFT Beam No. of pieces: 1

Manufacturer: Aero Design

Part No.: 78633 -01-02 Serial/Batch No.: ASN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-103

Remaining Tasks to be Performed: clean up ✓, Straighten +  
Powder ✓

Signature: David Mandy AD

Date: 11/12/06 Lic. No. / SCA 73-04  
05

In Process

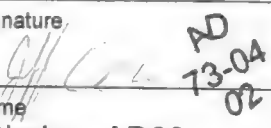


A

## Description: AS350 LH Beams

WO# 207-103

[illegible]

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2018-0097
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice None
6. Item 1.	7. Description Aft LH Beam	8. Part Number 78633-01-02	9. Qty. 1	10. Serial/Batch No. WO 2017-103	11. Status/Work New
12. Remarks Certification data: TCCA STC SH08-16; FAA STC SR02680NY Black					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  AD 13-04 02		13c. Approved Organization Number AMF 73-04		14b. Signature	
13d. Name Jeff Clarke - AD02		13e. Date (dd/mmm/yyyy) 08 May 2018		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<b>Installer Responsibilities</b> This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.					

ALPHA AVIATION



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

**In Process**

### Remarks

POWDER PO 18019



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AS350 LH AFT Beam No. of pieces: 1

Manufacturer: Aero Design

Part No.: 78633 -01 -02 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-103

Remaining Tasks to be Performed: clean up, straighten +  
Powder ✓

Signature: [Signature] AD  
73-04

Date: 17/12/06 Lic. No. / SCA 05

In Process




ALPHA AVIATION  
OF MAY 2015

**Description:** AS350 LH Beams

WO# 2017-103

[illegible]

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2018-0109</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>PO 883</b>
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>WO 2017-103</b>	11. Status/Work <b>New</b>
12. Remarks <b>Certification data: TCCA STC SH08-16</b>					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			<del>14a. <input type="checkbox"/> CAR 571.10 Maintenance Release  <input type="checkbox"/> Other regulation specified in block 12          Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.</del>		
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		<del>14b. Signature 14c. Approved Organization Number</del>	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mm/yyyy) <b>16 May 2018</b>		<del>14d. Name 14e. Date (dd/mm/yyyy)</del>	
<b>Installer Responsibilities</b> This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.					

*Access Helicopters*





## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

**In Process**

### Remarks

Powder PO 18019



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AS350 LH AFT Beam No. of pieces: 1

Manufacturer: Aero Design

Part No.: 78633 -01 -02 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017 -103

Remaining Tasks to be Performed: Clean up ✓, Straighten +  
Powder ✓

Signature: David M. [Signature] AD

Date: 17/12/04 06 Lic. No. / SCA 73-04  
05

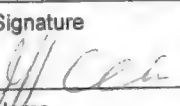
In Process



WO# 2017-103

Approved Manufacturing Facility 73-04

Rev. Original 27 May 2013

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2018-0125</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>None</b>
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>WO 2017-103</b>	11. Status/Work <b>New</b>
12. Remarks <b>Certification data: TCCA STC SH08-16</b>					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			<del>14a. <input type="checkbox"/> CAR 571.10 Maintenance Release</del> <del><input type="checkbox"/> Other regulation specified in block 12</del> <del>Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.</del>		
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		<del>14b. Signature</del> <del>14c. Approved Organization Number</del>	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>29 May 2018</b>		<del>14d. Name</del> <del>14e. Date (dd/mmm/yyyy)</del>	
<b>Installer Responsibilities</b> This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.					

WEST COAST HELICOPTERS



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

**In Process**

**Remarks**

Powder PO 18019



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

Lit

AMF 73-04

Nomenclature: 45350 AFT Beam No. of pieces: 1

Manufacturer: Aero Design

Part No.: 18633-01-02 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2011-103

Remaining Tasks to be Performed: Clean up, Straighten +  
Reorder ✓

Signature: [Signature]


Date: 17/12/06 Lic. No. / SCA 75-04  
06

In Process



WO# 2017-103

[illegible]

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2018-0117</b>		
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>None</b>		
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>WO 2017-103</b>	11. Status/Work <b>New</b>		
12. Remarks <b>Certification data: TCCA STC SH08-16</b>							
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.				
13b. Signature  <b>73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature		14c. Approved Organization Number	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>24 May 2018</b>		14d. Name		14e. Date (dd/mmm/yyyy)	
<b>Installer Responsibilities</b>							
This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.							

**KOOTENAY VALLEY HELI**



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

**In Process**

### Remarks

POWDER PO 18019



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AS350 LH AFT Beam No. of pieces: 1

Manufacturer: Aero Design

Part No.: 78633 - 01 - 02 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2071 - 103

Remaining Tasks to be Performed: Clean up ✓, Straighten  
+ Powder ✓

Signature: David May AD


Date: 17/12/06 Lic. No. / SCA 73-04

In Process



WO# 2017-103

[illegible]

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2018-0133</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>PO 722621</b>
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>WO 2017-103</b>	11. Status/Work <b>New</b>
12. Remarks <b>Certification data: TCCA STC SH08-16</b> <b>Black</b>					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			<del>14a. <input type="checkbox"/> CAR 571.10 Maintenance Release</del> <del><input type="checkbox"/> Other regulation specified in block 12</del> <del>Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.</del>		
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		<del>14b. Signature</del> <del>14c. Approved Organization Number</del>	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>05 June 2018</b>		<del>14d. Name</del> <del>14e. Date (dd/mmm/yyyy)</del>	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

*CAPITAL HELICOPTERS*





## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

**In Process**

**Remarks**

POWDER PO 18037



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AS350 LH AFT Beam No. of pieces: 1

Manufacturer: Aero Design

Part No.: 78633 -01-02 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-103

Remaining Tasks to be Performed: clean up, straighten

Powder ✓

Signature: [Signature] AD  
73-04

Date: 17/12/06 Lic. No. / SCA 05

In Process



1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE <b>FORM ONE</b>			3. Form Tracking No. <b>2018-0141</b>	
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>None</b>	
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>2</b>	10. Serial/Batch No. <b>WO 2017-103</b>	11. Status/Work <b>New</b>	
12. Remarks <b>Certification data: TCCA STC SH08-16</b> <b>Custom White</b>						
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.				14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  <b>73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature		14c. Approved Organization Number
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>13 June 2018</b>		14d. Name		14e. Date (dd/mmm/yyyy)
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

**GRIZZLY HELICOPTER**



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AS350 LH AFT Beam No. of pieces: 1

Manufacturer: Aero Design

Part No.: 78633-01-02 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-103

Remaining Tasks to be Performed: clean up ✓, Straighten ✓  
Powder ✓

Signature: David Prouty AD

Date: 17/12/06 Lic. No. / SCA 73-04  
05

In Process



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)



AMF 73-04

**In Process**

### Remarks

*Powder Coat Po 18047*



13 JUNE 2018



WO# 2017-103

Approved Manufacturing Facility 73-04

Rev. Original 27 May 2013



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

In Process

Remarks

Powder Coat PO 15047



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AS350 LH AFT Beam No. of pieces: 1

Manufacturer: Aero Design

Part No.: 78633-01-02 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-103

Remaining Tasks to be Performed: clean up, straighten + Powder ✓

Signature: David Priddy AD  
73-04

Date: 17/12/06 Lic. No. / SCA 05

In Process

13 JUNE 2018

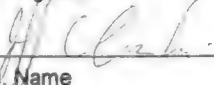


WO# 2017-103

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE <b>FORM ONE</b>			3. Form Tracking No. <b>2018-0167</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>PO P2018-63</b>
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>WO 2017-103</b>	11. Status/Work <b>New</b>
12. Remarks <b>Certification data: TCCA STC SH08-16</b>					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>04 July 2018</b>		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

*QUESTAL*



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

In Process

### Remarks

POWDER PO 151019 18019





## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AS350 LH AFT Beam No. of pieces: 1

Manufacturer: Aero Design

Part No.: 78633 - C1 - C2 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017 - 103

Remaining Tasks to be Performed: clean up ✓, straighten & Powder ✓

Signature: *David May*

Date: 2017/12/06 Lic. No. / SCA AD 73-04 05

In Process



QUESTRAL  
04 JULY 2015

Description: AS350 LH Beams

WO# 2017-103

Approved Manufacturing Facility 73-04

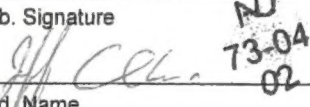
Form 20.F.06

Rev. Original 27 May 2013

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE <b>FORM ONE</b>			3. Form Tracking No. <b>2018-0202</b>	
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>PO 2018-FAK-07</b>	
6. Item <b>1.</b>	7. Description <b>Aft LH Beam</b>	8. Part Number <b>78633-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>WO 2017-103</b>	11. Status/Work <b>New</b>	
12. Remarks  <b>Certification data: TCCA STC SH08-16</b> <b>Revised 03 Aug 2018 - Correct block 10 from WO 2018-76 to WO 2017-103</b>						
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.				14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature		14c. Approved Organization Number
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>02 Aug 2018</b>		14d. Name		14e. Date (dd/mmm/yyyy)
<b>Installer Responsibilities</b> This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.						

PEREGRINE HELICOPTERS

EMAILED 02 AUG 2018 JC.

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2018-0202		
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice PO 2018-FAK-07		
6. Item 1.	7. Description Aft LH Beam	8. Part Number 78633-01-02	9. Qty. 1	10. Serial/Batch No. WO 2018-76	11. Status/Work New		
12. Remarks Certification data: TCCA STC SH08-16							
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.				
13b. Signature  AD 73-04 02		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number	
13d. Name Jeff Clarke - AD02		13e. Date (dd/mmm/yyyy) 02 Aug 2018		14d. Name		14e. Date (dd/mmm/yyyy)	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>							

PEREGRINE HELICOPTERS



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

**In Process**

### Remarks

POWDER PO 18019





## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AS350 LH AFT Beam No. of pieces: 1

Manufacturer: Aero Design

Part No.: 78633-01-02 Serial/Batch No.: NSU

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-163

Remaining Tasks to be Performed: clean up ✓, Straighten + Powder ✓

Signature: [Signature]

Date: 17/12/06 Lic. No. / SCA 73-04 05

In Process





01 AUG 18

WO# 2018-76

[illegible]